

Claims

1. A process for the introduction of inorganic solids into hot liquid melts, characterized in that inorganic solids are added to a hydrocarbon-containing plastic and the resulting mixture is introduced into the hot liquid melts.
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2. A process according to Claim 1, characterized in that 90% of the inorganic solid particles have sizes of 0.01 μm to 5 mm.
- 10 3. A process according to Claim 2, characterized in that 90% of the inorganic solid particles have sizes of 0.1 μm to 2 mm.
4. A process according to one of Claims 1 to 3, characterized in that the proportion of inorganic solids 15 in the plastic is 0.5 to 90 wt.%.
5. A process according to Claim 4, characterized in that the proportion of inorganic solids in the plastic is 2 to 70 wt.%.
6. A process according to one of Claims 1 to 5, 20 characterized in that the inorganic solids (= fluxes) used are titanium-containing substances and/or substances containing iron oxide, aluminium oxide, magnesium oxide, calcium oxide, silicates or slag-forming additives, individually or as a mixture.
- 25 7. A process according to Claim 6, characterized in that the flux contains synthetic titanium dioxide.
8. A process according to one of Claims 1 to 7, characterized in that the plastic contains the element nitrogen.

9. A process according to one of Claims 1 to 8,
characterized in that the plastic used is old plastic.
10. A process according to one of Claims 1 to 9,
characterized in that the plastic is mixed in solid form
5 with the inorganic solids.
11. A process according to one of Claims 1 to 9,
characterized in that the plastic is mixed in liquid
(molten) form with the inorganic solids (fluxes).
12. A process according to Claim 11, characterized in that
10 the mixture of molten plastic and inorganic solids is
cooled so that it solidifies.
13. A process according to Claim 12, characterized in that
the solidified plastic/flux mixture is ground or
shredded.
- 15 14. A process according to one of Claims 1 to 13,
characterized in that the plastic/flux mixture is
introduced into the hot liquid melts by injection.
15. A process according to one of Claims 1 to 13,
characterized in that the plastic/flux mixture is
20 introduced into the hot liquid melts in the form of
lumps (e.g. as shaped bodies).